

Serial No.: 09/494,149  
Filing Date: January 28, 2000

### AMENDMENTS

#### In the Claims:

Please amend the claims as follows:

- Handwritten: 33*
1. (Amended) A composition comprising an isolated shrimp or prawn androgenic polypeptide capable of producing a sexually reproductive neomale shrimp or prawn.
  2. (Amended) A sexually reproductive neomale shrimp or prawn which does not contain transplanted androgenic gland tissue.
  - Handwritten: A1*  
*Handwritten: 34*  
3. (Amended) A method of producing a sexually reproductive neomale shrimp or prawn comprising:  
treating a shrimp or prawn with a composition comprising an androgenic peptide to produce a sexually reproductive neomale shrimp or prawn.

Please cancel Claims 12-16 without prejudice to Applicants' rights to pursue the subject matter of these claims in one or more continuation, continuation-in-part, or divisional applications.

### REMARKS

Claims 1-18 are pending in the instant application. Claims 10-11 stand rejected under 35 U.S.C. § 101 as directed to non-statutory subject matter. Claims 1-9 stand rejected under 35 U.S.C. § 103(a) as being obvious over Malecha *et al.* 1992, Aquaculture, 105:201-218 (hereinafter "Malecha *et al.*"); Okuno *et al.* 1997, Zoological Science, 14:837-842 (hereinafter "Okuno *et al.*"); and Nagamine *et al.* 1980, Gen. Comp. Endocrinol., 41:442-457 (hereinafter "Nagamine *et al.*").